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# CENTRAL INTELLIGENCE AGENCY PHOTOGRAPHIC INTELLIGENCE CENTER

# JOINT PHOTOGRAPHIC INTELLIGENCE OAK REPORT ARMY - NAVY - CIA - AIR FORCE

### INTRODUCTION

THIS IS THE FOURTH IN A SERIES OF OAK REPORTS DEALING WITH PRIORITY ITEMS OF INTELLIGENCE SIGNIFICANCE APPEARING ON PHOTOGRAPHY OF MISSION 9009. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 1500 HOURS, 29 AUGUST 1960.

OAK PHOTOGRAPHIC INTELLIGENCE TEAMS ARE ENGAGED IN A TWO-PHASE EXPLOITATION OF MISSION 9009. THE FIRST PHASE IS CONCERNED WITH AN INITIAL SCAN OF PHOTOGRAPHY AND AN INDEXING OF ALL ITEMS OF INTELLIGENCE SIGNIFICANCE. A COMPLETE INDEX OF INTELLIGENCE ITEMS WILL BE PUBLISHED AFTER COMPLETION OF THE OAK-REPORTING PERIOD. THE SECOND PHASE IS CONCERNED WITH A PRELIMINARY ANALYSIS OF PRIORITY ITEMS UNCOVERED IN THE INITIAL SCAN. THESE ITEMS ARE THE SUBJECT OF THE DAILY OAK REPORTS.

THE DAILY OAK REPORTS WILL CONSIST, BASICALLY, OF A BRIEF INTRODUCTION AND SUMMARY, FOLLOWED BY A LISTING OF PRIORITY ITEMS WHICH HAVE BEEN THE SUBJECT OF PRELIMINARY ANALYSIS. THESE ITEMS WILL BE REPORTED IN THE FOLLOWING PREASSIGNED CATEGORIES.

- A. GUIDED MISSILES AND ELECTRONICS
- **B. NUCLEAR ENERGY**
- C. AIRFIELDS
- D. MILITARY INSTALLATIONS
- E. PORTS AND HARBORS
- F. MAJOR COMPLEXES
- G. MISCELLANEOUS ITEMS

FOR PURPOSES OF CONSISTENCY, THE ABOVE CATEGORIES WILL APPEAR IN THE OAK REPORT EVERY DAY, EVEN IF NO PRIORITY ITEMS ARE LISTED WITHIN THE CATEGORY. FURTHER INFORMATION RESULTING FROM ADDITIONAL PRELIMINARY ANALYSIS OF PREVIOUSLY REPORTED ITEMS WILL BE INCORPORATED IN SUBSEQUENT OAK REPORTS.



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#### SUMMARY

MISSION 9009 HAD BEEN SCANNED. ALL PASSES HAVE BEEN COMPLETED EXCEPT FOR A PORTION	AS	OF	1	500	) <b> </b>	HOUF	٦S،	30	Α	UGUS	T	196	ø,	ΑI	PPROX	IM	ATELY	99	PE	RCENT	0	F
	ΜI	SSI	ON	90	999	H	٩D	BEE	N_	SCAN	INE	D .	A	LL	PASS	ES	HAVE	BE	EΝ	COMPL	ET.	ED

IT SHOULD BE NOTED THAT PRELIMINARY ANALYSIS HAS NOT BEEN COMPLETED ON ALL PRIORITY ITEMS WITHIN THE AREA SCANNED. FOR EXAMPLE, PRELIMINARY ANALYSIS CONTINUES ON SOME INTELLIGENCE ITEMS COVERED EVEN THOUGH INITIAL SCAN OF THAT PASS WAS COMPLETED DURING THE SECOND OAK-REPORTING PERIOD. PRESENT ESTIMATES INDICATE THAT PRELIMINARY ANALYSIS WILL CONTINUE FOR SEVERAL DAYS AFTER COMPLETION OF THE SCAN. ITEMS ON WHICH PRELIMINARY ANALYSIS HAS BEEN COMPLETED DURING THE CURRENT REPORTING PERIOD ARE INCLUDED IN THIS REPORT.

SUMMARIZED BELOW ARE THE MAJOR ITEMS OF INTELLIGENCE INTEREST.

#### GUIDED MISSILES

# SAM SITES NEAR SOFIA, BULGARIA THREE NEWLY IDENTIFIED HEXADIC SA-2 SAM SITES IN THE VICINITY OF SOFIA, BULGARIA, WERE CONFIRMED. THIS IS THE FIRST KNOWN PHOTOGRAPHY OF SAM SITES IN BULGARIA.

THIS BRINGS THE TOTAL TO DATE TO 15 NEW HEXADIC SITES CONFIRMED AND 6 POSSIBLE SITES UNDER CONSTRUCTION IN THE SOVIET BLOC. ALL OBSERVED FOR THE FIRST TIME ON KEYHOLE PHOTOGRAPHY.

#### **AIRFIELDS**

NINE AIRFIELDS WERE OBSERVED DURING THE CURRENT REPORTING PERIOD. THESE INCLUDE THREE WITH CONCRETE RUNWAYS IN EXCESS OF 9,000 FEET, TWO SMALLER FIELDS WITH ALL-WEATHER RUNWAYS, AND FOUR FIELDS WITH DIRT STRIPS OR SOD LANDING AREAS.

A NEW RUNWAY UNDER CONSTRUCTION AT VLADIMIROVKA NOW EXTENDS 11,500 FEET, WITH EARTH SCARS INDICATING A POSSIBLE LENGTH OF 15,000 FEET ON COMPLETION.

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#### DETAIL5

PRELIMINARY ANALYSIS WAS COMPLETED ON THE FOLLOWING ITEMS DURING THE CURFERT CAK-REPORTING PERIOD.

## A. GUIDED MISSILES AND ELECTRONICS

1. HEXADIC SA-2 SAM SITES

THREE SA-2 SAM SITES HAVE BEEN IDENTIFIED IN THE VICINITY OF SOFIA, BULGARIA, DURING THE CURRENT REPORTING PERIOD. A TABULATION OF THESE SITES FOLLOWS.

SITE	COORD	DISTANCE/DIRECTION FROM SOFIA	STATUS
NO			
1	42 21N - 23 Ø7E	22 NM SSW	COMPLETE
2	42 24N - 23 27E	19 NM SSE	COMPLETE
3	42 35N - 23 43E	19 NM SE	COMPLETE

THIS IS THE FIRST KNOWN PHOTOGRAPHY OF SAM SITES IN BULGARIA.

2. INSTRUMENTATION STATION 3 NM S OF DZHEZKAZGAN

LOCATED ON THE BASIS OF PREVIOUS IDENTIFICATION ON TALENT PHOTOGRAPHY. PHOTOGRAPHIC LIMITATIONS PRECLUDE A DETAILED DESCRIPTION OF THIS SITE DURING THE PRELIMINARY ANALYSIS STAGE.

3. THE RAIL SPUR DESCRIBED BELOW IS INCLUDED IN THE GUIDED MISSILES AND ELECTRONICS CATEGORY BECAUSE OF THE INTEREST IN THE INTELLIGENCE COMMUNITY IN RAIL—SERVED MISSILE LAUNCH SITES.

OF MARIINSK
34E

SPUR APPEARS TO SERVE A SMALL POSSIBLE MINING OPERATION.

ROAD NETWORK NEAR THE SPUR HAS BEEN EXTENDED SINCE TALENT PHOTOGRAPHY OF \_\_\_\_\_\_\_ NEITHER THE HOUSING NOR THE FENCED STORAGE AREAS APPARENT ON TALENT PHOTOGRAPHY

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ARE	DISCERNIBLE	ON	KEYHOLE	PHOTOGRAPHY.

## C. AIRFIELDS

1 ABAKAN AIRFIELD 53 45N - 91 24E

ASSOTW LISTS THIS AS A SOD LANDING AREA 4,000 X 2,500 FT.
MEASUREMENT ON KEYHOLE PHOTOGRAPHY GIVES A LENGTH OF
3,800 FT ALONG A NE/SW AXIS. WIDTH AND SURFACE TYPE
CANNOT BE DETERMINED FROM KEYHOLE PHOTOGRAPHY.

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2. ARZAMAS AIRFIELD 55 20N - 43 44E

4.800 X 3.900 FT SOD LANDING AREA (MEASUREMENTS FROM ASSOTW)

POSSIBLY RETURNED TO CULTIVATION. PARTIALLY OBSCURED BY CLOUD & CLOUD SHADOW.

3. CHOKURDAKH AIRFIELD

70 39N = 147 52E

6,600 X 250 FT NE/SW DIRT RUNWAY (MEASUREMENTS FROM ASSOTW)

2 LARGE PROBABLE AIRCRAFT OF UNDETERMINED TYPE. APPARENT NEW CONSTRUCTION INCLUDES A PARKING APRON AND LOOP TAXI-WAY. A SECOND APPARENTLY NEW TAXIWAY WITH A PROBABLE FIRING BUTT ARE LOCATED OFF THE NE END OF RUNWAY.

4. DUDEVO AIRFIELD

69 13N = 147 12F

4,400 X 380 FT NW/SE RUNWAY (MEASUREMENTS FROM ASSOTW)

SURFACE TYPE UNDETERMINABLE

5. GORKIY/SORMOVO AIRFIELD

56 19N - 43 5ØE

4,400 FT X ESTIMATED 200 FT E/W CONCRETE AND BLACKTOP RUNWAY
7,400 FT X ESTIMATED 350 ENE/WSW NEW CONCRETE RUNWAY (MEASUREMENTS FROM KEYHOLE MISSION 9009)

4 LARGE AND 8 SMALLER AIRCRAFT ON AIRFIELD.
AIRFIELD IS A FLYAWAY FIELD FOR THE GORKIY ORDZHONIKIDZE
AIRFRAME PLANT 21. THE NEW RUNWAY WITH TAXIWAY SYSTEM

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AND POSSIBLE PARKING RAMP IS LOCATED 1.5 NM W OF THE AIRFRAME PLANT. IT IS POSSIBLE THAT A NEW MAJOR FABRICATION BUILDING HAS BEEN ADDED TO THE AIRFRAME PLANT.

٤.	LUKHOVITSY AIRFIELD
[	54 54N - 39 ØØE
	9,800 X 280 FT E/W CONCRETE RUNWAY (MEASUREMENTS FROM ASSOTW)
	AIRFIELD IS CONNECTED BY ROAD TO LARGE POSSIBLE STORAGE AREA, CLOUD COVER PREVENTS INTERPRETATION OF STORAGE AREA.
7.	MUROM AIRFIELD  55 27N - 42 19F
	9.600 X 275 FT NE/SW CONCRETE RUNWAY (MEASUREMENTS FROM KEYHOLE MISSION 9009)
	THE RUNWAY IS PROBABLY BEING EXTENDED TO 11,400 FT.
8•	PRAVDINSK AIRFIELD 56 31N - 43 29E
	6.800 X 150 FT NNW/SSE CONCRETE RUNWAY (MEASUREMENTS FROM KEYHOLE MISSION 9009)
9•	VLADIMIROVKA AIRFIELD 48 18N - 46 13E
	8,200 X 280 FT NW/SE CONCRETE RUNWAY 8,500 X 350 FT E/W DIRT RUNWAY (MFASUREMENTS FROM TALENT PHOTOGRAPHY

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ESTIMATED 15,000 X 400-450 FT E/W RUNWAY U/C (MEASUREMENTS FROM KEYHOLE MISSION 9009)

17 BOMBERS ON DIRT RUNWAY AREA AND AIR-GROUND RANGE AREA. 8 POSSIBLE U/I SWEPT-WING FIGHTERS ON DIRT RUNWAY AREA. 42 PROBABLE BOMBER OR LARGE FIGHTER AIRCRAFT ON MAIN RUNWAY AREA.

NO MAJOR CHANGES IN AIRFIELD SUPPORT AREAS SINCE TALENT PHOTOGRAPHY DIRT RUNWAY FORMERLY S OF LISTED DIRT RUNWAY AT S BOUNDARY OF INSTALLATION IS NO LONGER VISIBLE. RUNWAY U/C NOW EXTENDS TO 11,500 FT WITH EARTH SCARS EXTENDING TO 15,000 FT.

10. AIRFIELDS PREVIOUSLY REPORTED BUT NOT LOCATED OR CLOUD COVERED

GIZHIGA SEAPLANE STATION 61 57N = 160 23E

MONERON AIRFIELD 46 15N - 141 13E

MYS BILLINGSA AIRFIELD 69 52N - 175 45E

MYS SHELAGSKIY AIRFIELD 70 06N + 170 29E

PADALI AIRFIELD 50 13N - 136 40E

PEVEK AIRFIELD 69 45N - 170 36E

URATAE AIRFIELD 47 19N = 142 34E

USHIRO AIRFIELD 48 58N - 141 59E

VANKAREM AIRFIELD 67 48N - 175 50W

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## D. MILITARY INSTALLATIONS

1.	ADADYM AMMUNITION DEPOT  55 59N - 90 20E  DEPOT, LOCATED 1 NM WSW OF NAZAROVO, CONTAINS  APPROXIMATELY 67 STORAGE BUILDINGS. IT IS DOUBLE-FENCED  AND RAIL-SERVED AND HAS A SMALL ASSOCIATED SUPPORT AREA.
2.	CHUCHKOVO AMMUNITION STORAGE INSTALLATION 54 23N - 41 22E
'	KEYHOLE PHOTOGRAPHY SHOWS 134 REVETTED STORAGE BUILDINGS ARE SERVED BY 6 N-S INTERNAL ROADS (NOT 8 AS REPORTED FROM TALENT PHOTOGRAPHY NO OTHER CHANGES NOTED SINCE FEBRUARY 1960 PHOTOGRAPHY. SUPPORT AREA LOCATED APPROXIMATELY 1 NM SW IS PARTIALLY CLOUD COVERED.
3.	POSSIBLE ARMORED TRAINING AREA 2 NM S OF MUKACHEVO 48 22N - 22 42E
	AREA CONTAINS GROUND SCARS WHICH ARE CHARACTERISTIC OF MOST ARMORED TRAINING GROUNDS. TWO PATTERNS VISIBLE SUGGEST A DRIVER TRAINING AREA AND A TRANSITION-TYPE MOVING-TARGET RANGE. HEAVY CLOUDS N AND W OF THE SITE COVER PART OF THE RANGE AND POSSIBLY A BARRACKS AREA.
4.	POSSIBLE EXPLOSIVES-STORAGE AREA 2 NM SE OF SHUYA 56 50N - 41 25E
	AREA CONTAINS SECURED STORAGE FACILITY, PROBABLY DOUBLE- FENCED. NO APPARENT CHANGE SINGE TALENT PHOTOGRAPHY OF

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5. POSSIBLE EXPLOSIVES-STORAGE AREA 5 NM SSE OF SHUYA 56 47N - 41 26E

THE AREA IS RECTANGULAR AND IS SURROUNDED BY A CLEARED FIREBREAK. PROBABLE ROADWAYS ARE INDICATED BY PARALLEL CLEARED STRIPS WITHIN THE AREA AREA IS SERVED BY SECONDARY ROADS AND TRAILS. NO WAREHOUSE-TYPE BUILDINGS ARE VISIBLE. AREA WAS COVERED BY TALENT PHOTOGRAPHY OF

6. MILITARY PROCESSING, STORAGE, AND HANDLING COMPLEX NEAR SUROVATIKHA 55 43N - 43 53E

THIS COMPLEX, 4 SQ MI IN AREA AND OF IRREGULAR SHAPE, IS LOCATED 2 NM SW OF SUROVATIKHA AND 38 NM N OF ARZAMAS ALONG THE ARZAMAS-GORKIY RAIL LINE. TWO RAIL SPURS ENTER THE COMPLEX FROM THE MAIN LINE AND SPLIT INTO SEVERAL OTHER SPURS WHICH SERVE THE VARIOUS FACILITIES IN THE THESE FACILITIES INCLUDE AN EXTENSIVE WARE-HOUSING AND REVETTED STORAGE AREA, A LARGE SUPPORT AND HOUSING AREA TOGETHER WITH PROCESSING AND HANDLING FACILITIES FOR STORED MATERIALS, AND AN AREA OF UNIDENTIFIED FUNCTION IN A HEAVILY WOODED LOCATION APPROXIMATELY 2 NM S OF THE STORAGE. THIS UNIDENTIFIED AREA IS SERVED BY A GOOD ROAD FROM THE STORAGE AREA AND CONSISTS OF SEVERAL CLEARINGS INTERCONNECTED BY ROADS. COMPLEX APPEARS UNCHANGED SINCE TALENT PHOTOGRAPHY

7. MILITARY AMMUNITION STORAGE DEPOT NEAR ZHUKOVKA 56 Ø1N - 91 46E

DEPOT, LOCATED 5 NM SE OF ZHUKOVKA, CONTAINS APPROXIMATELY 60 DISPERSED STORAGE BUILDINGS, AT LEAST ONE LARGE SERVICE BUILDING, AND SEVERAL SMALLER STRUCTURES. IT IS SECURED AND ROAD AND RAIL SERVED.

AN ASSOCIATED SUPPORT AREA, LOCATED 1 NM NW OF THE DEPOT, CONTAINS 20 DISCERNIBLE BUILDINGS.

RAIL SERVICE CONSISTS OF A SINGLE-TRACK SPUR LINE

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BRANCHING OFF FROM THE DOUBLE-TRACK TRANS-SIBERIAN RAILROAD IMMEDIATELY SE OF ZHUKOVKA.

## E. PORTS AND HARBORS

NO ITEMS DURING THE CURRENT REPORTING PERIOD

#### F. MAJOR COMPLEXES

1. GORKIY 56 19N - 43 54E

APPROXIMATELY 50 PERCENT OF THE GORKIY COMPLEX IS VISIBLE THROUGH SCATTERED CLOUDS. THE CENTRAL PORTION OF THE COMPLEX, INCLUDING INDUSTRIAL AND TRANSPORTATION FACILITIES ALONG THE CONFLUENCE OF THE OKA AND VOLGA RIVERS, IS OBSCURED BY HEAVY CLOUD COVER.

TWO LARGE BUILDINGS APPARENTLY HAVE BEEN ADDED TO THE GORKIY MOTOR VEHICLE PLANT MOLOTOV I SINCE WW II PHOTOGRAPHIC COVERAGE.

TWO LARGE POL STORAGE AREAS, NEW SINCE WW II, ARE LOCATED AT 56 23N - 43 45E AND AT 56 25N - 43 39E.

HOUSING FACILITIES IN THE CLOUD-FREE AREAS APPEAR TO HAVE INCREASED APPROXIMATELY 10-15 PERCENT SINCE THE 1943 PHOTOGRAPHIC COVERAGE.

## 2. KINESHMA

57 26N - 42 Ø9E

KINESHMA, WHICH WAS PARTIALLY OBSCURED BY SCATTERED CLOUDS AT THE TIME OF PHOTOGRAPHY, SHOWS NO SIGNIFICANT CHANGES FROM TARGET CHART

A RAIL SPUR LINE HAS BEEN EXTENDED W APPROXIMATELY 5 NM TO THE TOWN OF NAVOLOKI, WHERE IT SERVES A POL STORAGE AREA CONTAINING AT LEAST 11 VERTICAL STORAGE TANKS.

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3. KOKCHETAV 53 16N = 69 23E

KOKCHETAV IS PARTIALLY COVERED BY CLOUD-FREE PHOTOGRAPHY. THE TOWN EITHER HAS BEEN INCORRECTLY PLOTTED ON EXISTING MAPS OR HAS EXPANDED TO THE SOUTH SHORE OF LAKE KOPA. NO UNUSUAL ACTIVITY APPARENT IN PORTION OF TOWN COVERED BY PHOTOGRAPHY.

4. MUROM 55 34N - 42 Ø3E

MUROM IS COVERED COMPLETELY, BUT THERE ARE SCATTERED CLOUDS. NEW CONSTRUCTION, MAINLY HOUSING BUT ALSO LARGE BUILDINGS, IS VISIBLE IN NW SECTION OF TOWN. THERE ARE NO OTHER APPARENT CHANGES SINCE WORLD WAR II PHOTOGRAPHY.

5. NIKOLAYEVSK-NA-AMURE 53 Ø8N - 140 4ØE

NIKOLAYEVSK-NA-AMURE IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY. MINOR EXPANSION, PRIMARILY HOUSING, IS NOTED ON THE N, E, AND W SIDES. PORT ACTIVITY APPEARS NORMAL.

6. RYAZAN 54 37N - 39 44E

RYAZAN IS COMPLETELY COVERED BY PHOTOGRAPHY; BUT SCATTERED CLOUDS AND CLOUD SHADOW PRECLUDE OBSERVATION OF SOME AREAS. THERE HAS BEEN CONSIDERABLE INDUSTRIAL AND RESIDENTIAL EXPANSION; INCLUDING FIVE NEW INDUSTRIAL AREAS, IN THE SOUTHERN SECTION OF THE CITY SINCE WORLD WAR II HOTOGRAPHY.

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7 a	YAKUTSK 62 Ø3N - 129 43E	
	HEAVY HAZE AND SCATTERED OF THE YAKUTSK COMPLEX.	CLOUDS PRECLUDE INTERPRETATION
G. MIS	CELLANEOUS ITEMS	
1 4	ARZAMAS POWER SUBSTATION 55 Ø7N = 43 58E	
	OF ARZAMAS AND 6 NM WSW O	HOUSING AREA IS LOCATED
3.	GORKIY DAM & LOCKS 1 NM N	w of gorodets
	56 39N = 43 26E	o. condoc.o
	AREA CONTAINS HYDROELECTR DAM, TWO DOUBLE-CHAMBER L	IC POWER COMPLEX, POWER PLAN' OCKS, AND WINTER HARBOR.

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5. STORAGE AREA 6 NM ESE OF NIKOLAYEVSK-NA-AMURE
53 06N - 140 49E

STORAGE AREA IS ROAD SERVED AND APPEARS TO CONTAIN APPROXIMATELY 7 STORAGE BUILDINGS. A FIREBREAK EXTENDS AROUND THAT PORTION OF THE AREA NOT BOUNDED BY ROADS.

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